

Gregg Galecki, Environ. Coordinator HCR 35, Box 380 Helper, UT 84526 (435) 448-2636 - Office (435) 448-2632 - Fax

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April 12, 2006

Ms. Pam Grubaugh-Littig
Permit Supervisor
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

RE: Mo

Modification to Water Monitoring Table 2.3.7-1, Canyon Fuel Company, LLC, Skyline

Mine, C/007/005,

Dear Ms. Grubaugh-Littig:

Please find enclosed with this letter modifications to the Skyline Mine Water Monitoring Table 2.3.7-1 that was originally reviewed by Ms Dana Dean with an April 4, 2006 submittal. Please disregard the April 4, 2006 information as this submittal incorporates the modifications from both that date and the teleconference conducted April 10, 2006. The focus of the submittal is to ensure the Water Monitoring tables are consistent with commitments in the M&RP, and the analysis reduction modification submitted in 2005. Additional modifications to the Monitoring tables will be submitted in the very near future that address errors that still exist in the tables but are not clearly outlined in the currently approved M&RP.

This submittal includes completed C1 and C2 forms and both one (1) redline/strikethrough and eight (8) clean copies of modified text.

If you have any questions, please call me at (435) 448-2636.

Sincerely,

Gregg A. Galecki

**Environmental Coordinator, Skyline Mine** 

Bregg A. Salechi

Canyon Fuel Company, LLC

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DIV. OF OIL, GAS & MINING

### APPLICATION FOR COAL PERMIT PROCESSING

Permit Change New Permit Renewal Exploration I	Bond Release 🔲 🧵	Transfer
Permittee: Canyon Fuel Company, LLC		
Mine: Skyline Mine	Permit	Number: C/007/005
Title: Water Monitoring Table Clarification		
<b>Description</b> , Include reason for application and timing required to implement:		
Modification to the M&RP Water Monitoring Table - Section 2.	3	
Instructions: If you answer yes to any of the first eight (gray) questions, the	is application may rec	quire Public Notice publication.
Yes ⋈ No  1. Change in the size of the Permit Area? Acres:D  Yes ⋈ No  2. Is the application submitted as a result of a Division Ore  Yes ⋈ No  3. Does the application include operations outside a previous  Yes ⋈ No  4. Does the application include operations in hydrologic b  Yes ⋈ No  5. Does the application result from cancellation, reduction  Yes ⋈ No  6. Does the application require or include public notice puthous  Yes ⋈ No  7. Does the application require or include ownership, contumy  Yes ⋈ No  S. Is proposed activity within 100 feet of a public road or only  Yes ⋈ No  9. Is the application submitted as a result of a Violation?  Yes ⋈ No  10. Is the application submitted as a result of other laws or	der? DO# ously identified Cumulasins other than as cumor increase of insural blication? rol, right-of-entry, or cometery or 300 feet on NOV #	ulative Hydrologic Impact Area? rrently approved? nce or reclamation bond? compliance information? of an occupied dwelling?
Explain:  Yes ⋈ No 11. Does the application affect the surface landowner or ch Yes ⋈ No 12. Does the application require or include underground de Yes ⋈ No 13. Does the application require or include collection and r Yes ⋈ No 14. Could the application have any effect on wildlife or veg Yes ⋈ No 15. Does the application require or include soil removal, st Yes ⋈ No 16. Does the application require or include vegetation mon Yes ⋈ No 17. Does the application require or include construction, m Yes ⋈ No 18. Does the application require or include water monitorin Yes ⋈ No 19. Does the application require or include certified design Yes ⋈ No 20. Does the application require or include subsidence conf Yes ⋈ No 21. Have reclamation costs for bonding been provided? Yes ⋈ No 22. Does the application affect permits issued by other age	sign or mine sequence eporting of any baseling getation outside the co orage or placement? itoring, removal or re- odification, or removal, ag, sediment or drainals, maps or calculation trol or monitoring?	the and timing? (Modification of R2P2) ine information? turrent disturbed area? Evegetation activities? all of surface facilities? age control measures? In the surface of a stream?
Please attach four (4) review copies of the application. If the mine is on (5) copies, thank you. (These numbers include a copy for the Price Field Office)	or adjacent to Fores	t Service land please submit five
I hereby certify that I am a responsible official of the applicant and that the information contains	ed in this application is tru	e and correct to the best of my information
and belief in all respects with the laws of Utah in reference to commitments, undertakings, and	obligations, herein.	1/12/2
Wesley K Sovensen	July &	Soun 4/12/00
10	Name, Position, Date	al Manager
Subscribed and swom to before me this 2 day of 4pr: L, 2006		
Kalhen Sturre		
Notary Public My commission Expires: , 4/12 ,2006}		1867年 2月2日 - 1973年 1 3. 1868年 19. 1873日 - 1
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## APPLICATION FOR COAL PERMIT PROCESSING Detailed Schedule Of Changes to the Mining And Reclamation Plan

ermitte		Fuel Company			C 1007 1007
	Skyline Mine	1 3 50 7 7		Number:	C/007/005
Title:	Modification t	o the M&RP	Water Monitoring Table - Section 2.3		
pplicatio f content	n. Individually ts, section of the	list all maps a plan, or other	to the Mining and Reclamation Plan, which is required as and drawings that are added, replaced, or removed from the information as needed to specifically locate, identify and remain and drawing number as part of the description.	plan. Includ	ie changes to the table
-		-	DESCRIPTION OF MAP, TEXT, OR MATERIA		HANGED
Add	Replace	Remove	Replace Table 2.3.7-1 (Pages 2-36, 2-36a, 2-36b) in Sec	tion 2.3	
Add	Replace	Remove			
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Form DOGM - C2 (Revised March 12, 2002)

#### Table 2.3.7-1

## Comprehensive Water Quality Analytical Schedule (Surface and Ground Water Stations)

Streams	Protocol	<u>Comments</u>
CS-1	A 12	
CS-3	A 1, 2, 6, 7	
CS-4	A 1, 2, 6, 7	
CS-6	<del>A'</del> ,A, W, 1, 2, 3, 6	8 7. <del>10</del>
CS-7 (F-5)	A 12	,, ,, ,,
CS-8	A 12	
CS-9	A 1, 2, 6,7	
CS-10	A 12	
CS-11	A 1, 2, 6, 7	
CS-12	A, W, 1, 2, 3, 6, 7	,
CS-13	A, W, 1, 2, 3, 6,7	
CS-14	A, W, 1, 2, 3, 6,7	
CS-15	A 13 A 10	
CS-16	A 12	
CS-17	A 12	
CS-18	A 12	
CS-19	A 1, 2	
CS-20	A 1, 2	
CS-21	A 1, 2	
CS-22	D <del>11</del> 10	
CS-23	D <del>11</del> 10	
MD-1		(Mine discharge - CS-12 and CS-14 combined)
MD-1	B 10	,
SRD-1	<b>B</b> 10	(Same as MD-1)
F-9	C 12	,
F-10	A 1, 2 and C	
UP&L-10	A 1, 2	
VC-6	<del>A'</del> A, W, 1, 2, 3, 6	5,7,9
VC-9	<del>A'</del> -A, W, 1, 2, 3, 6	6,7,8,9 Flow is sum of CS-6 and CS13
VC10	<del>A'</del> A, W, 12	
VC11	D 10	
VC12	D 10	
MC-1	<del>A'</del> A, W, 4	
MC-2	<del>A'</del> A, W, 4	
MC-3	<del>A'</del> A, W, 4	
MC-4	<del>A'</del> A, W, 4	
MC-5	<del>A'</del> A, W, 4	
MC-6	<del>A'</del> A, W, 4	
NL-1 through NL-4042	F <del>12</del> 10	North Lease Subsidence Points
WRDS #1	A 1, 2, 6, 7	
WRDS #2	A 1, 2, 6, 7	
WRDS #3	A 1, 2, 6, 7	
WRDS #4	A 1, 2, 6, 7	
EL-1	A 13	Sample spring, summer, and fall for
EL-2	A 13	3 years beginning in 2004

### Table 2.3.7-1 (cont.)

## Comprehensive Water Quality Analytical Schedule (Surface and Ground Water Stations)

<u>Springs</u>	Protocol <u>Comments</u>
S10-1	A 1, 2
S12-1	A 1, 2
S13-2	A 12
S13-7	A 1, 2
S14-4	A 12
S15-3	A 12 <del>, 13 (13 - spring and fall for 3 years starting in 2004)</del>
S15-3	G 13 (13 - spring and fall for 3 years starting in 2004)
S17-2	A 1, 2
S22-5	A 12
S22-11	A 12
S23-4	A 12
S24-1 Sulfur Spring	A 1, 2,
S24-1 Sulfur Spring	G 13 (13 - spring and fall for 3 years starting in 2004)
S24-12	A 12
S26-13	A 12
S34-12	A 12
S35-8	A 12
S36-12	A 12
2-413	A 12, <del>13 (13 - spring and fall for 3 years starting in 2004)</del>
2-413	G 13 (13 - spring and fall for 3 years starting in 2004)
3-290	A 12
8-253	G 13 Sampled spring and fall for 3 years starting in 2004
WQ1-39	A 1, 2
WQ3-6	A 1, 2
WQ3-26	A 1, 2
WQ3-41	A 1, 2
WQ3-43	A 1, 2
WQ4-12	A 1, 2
	, , , , _
<u>Wells</u>	
JC-1	<del>A 5 and B</del> B 10, H 5
JC-3	<del>A 4 and B</del> B 10, H 4
ELD-1	B 10 (JC-1 and JC-3 combined)
W79-10-1B	E 11
W79-14-2A	E 11
W79-26-1	E 11
W79-35-1A	E 11
W79-35-1B	E 11
W2-1 (98-2-1)	E 11
W20-4-1	E 11
W20-4-2	E 11
W99-4-1	E 11
W99-21-1	E 11
W99-28-1	E 11
W20-28-1	E 11
91-26-1	E 11
91-35-1	E 11

# Table 2.3.7-1 (cont.) Comprehensive Water Quality Analytical Schedule (Surface and Ground Water Stations)

#### Field and Laboratory Measurement Protocol

#### Water Level and Flow Measurements

Α	Stream and Springs: high spring (April - June), low summer flow (August - September), and late fall (October - November)
<del>A'</del> W	Stream and Springs: winter season (December - February) monitoring included
В	Stream, Springs, and Wells: monthly discharge measurements, reported in first 7 days following end of month
С	Stream and Springs: monthly flows when accessible.
D	Stream: seasonal discharge measurements (April - June, August - September,
	October - November)
Ε	Monitoring well: seasonal water level measurement (April - June, August -
	September, October - November)
F	Streams: monthly flows June through October, earlier and later if accessible. To be
	monitored one year prior to, during, and one year following undermining.
G	Springs: high spring and late fall sampling
Н	Production Wells: (Quarterly)

#### **Water Quality**

- High spring and late fall (April June and October November) water quality field and operational laboratory measurements
- 2 Low summer flow (August September) water quality field and operational laboratory measurements
- Winter season (December February) water quality field and operational laboratory measurements
- 4 Seasonal water quality field flow measurements, TDS, TSS, and total phosphorous
- Seasonal water quality field flow measurements, TDS, TSS, and total phosphorous, C14, tritium, and stable isotopes deuterium and oxygen 18
- 6 Also oil and grease, phenols
- 7 Total organic carbon and cyanide (low summer flow only)
- 8 Also total phosphorous
- 9 Also dissolved oxygen
- 10 Seasonal flow Flow only
- 11 Seasonal water Water levels
- 12 Field parameters only\*\*
- 13 Tritium

<sup>\*\*</sup> Sites with at least two (2) years of lab analysis data will be sampled once every five (5) years for the currently approved laboratory parameters beginning in 2010. If field parameter monitoring indicates any trending changes, regular laboratory analysis may be resumed until trend is adequately characterized.

# Table 2.3.7-1 Comprehensive Water Quality Analytical Schedule (Surface and Ground Water Stations)

Streams	Protocol	Comments
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W79-26-1	E 11
W79-35-1A	E 11
W79-35-1B	E 11
W2-1 (98-2-1)	E 11
W20-4-1	E 11
W20-4-2	E 11
W99-4-1	E 11
W99-21-1	E 11
W99-28-1	E 11
W20-28-1	E 11
91-26-1	E 11
91-35-1	E 11

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- Seasonal flow measurements, TDS, TSS, and total phosphorous, C14, tritium, and stable isotopes deuterium and oxygen 18
- 6 Also oil and grease, phenols
- 7 Total organic carbon and cyanide (low summer flow only)
- 8 Also total phosphorous
- 9 Also dissolved oxygen
- 10 Flow only
- 11 Water levels
- 12 Field parameters only\*\*
- 13 Tritium

<sup>\*\*</sup> Sites with at least two (2) years of lab analysis data will be sampled once every five (5) years for the currently approved laboratory parameters beginning in 2010. If field parameter monitoring indicates any trending changes, regular laboratory analysis may be resumed until trend is adequately characterized.